Figure 16 depicts an example of the treatment table. Either the index or the message received cause number are filled and are used to enter the table. If the index is filled and used to enter the table, the general location, coding standard, and cause value indicator are used to generate an SS7 REL. The message received cause value entry is the cause value in a received SS7 message. If the message received cause value is filled and used to enter the table, then the cause value from that message is used in a REL from the CCM. The next function and next index point to the next table.

Figure 17 depicts an example of the message table. This table allows the CCM to alter information in outgoing messages. Message type is used to enter the table, and it represents the outgoing standard SS7 message type. The parameter is the pertinent parameter within the outgoing SS7 message. The indexes point to various entries in the trunk group table and determine if parameters can be unchanged, omitted, or modified in the outgoing messages.

Those skilled in the art will appreciate that variations from the specific embodiments disclosed above are contemplated by the invention. The invention should not be restricted to the above embodiments, but should be measured by the following claims.

CLAIMS

What is claimed is

1. A call interface comprising:

a signaling converter configured to convert signaling for a call between a first signaling format and a second signaling format;

an interworking unit configured to convert communications for the call between a first communication format and a second communication format;

a signaling processor coupled to the signaling converter and the interworking unit and configured to process the signaling to select a service for the call; and

a service platform coupled to the interworking unit and configured to provide the selected service for the call.

2. The call interface of claim 1 wherein the first communication format and the first signaling format comprise ISDN.

3. The call interface of claim 1 wherein the first communication format and the first signaling format comprise GR-303.

4. The call interface of claim 1 wherein the first communication format comprises time division multiplexing.

5. The call interface of claim 1 wherein the first signaling format comprises B-ISDN.

6. The call interface of claim 1 wherein the first communication format comprises an electrical format and the second communication format comprises an optical format.

7. The call interface of claim 1 wherein the second signaling format comprises SS7.

8. The call interface of claim 1 wherein the second communication format comprises ATM.

9. The call interface of claim 1 wherein the selected service comprises an internet service.

10. The call interface of claim 1 wherein the selected service comprises collecting information form a caller.

11. The call interface of claim 1 wherein the selected service comprises voice messaging.

12. The call interface of claim 1 wherein the selected service comprises facsimile messaging.

13. The call interface of claim 1 wherein the selected service comprises voice recognition.

14. The call interface of claim 1 wherein the selected service comprises conference bridging.

15. The call interface of claim 1 wherein the selected service comprises calling card calling.

16. The call interface of claim 1 wherein the selected service comprises menu routing.

17. The call interface of claim 1 wherein the selected service comprises tone detection.

18. The call interface of claim 1 wherein the selected service comprises call forwarding.

19. The call interface of claim 1 wherein the signaling processor is configured to process the signaling to select an identifier for asynchronous communications and the interworking unit is configured to convert the communications for the call using the selected identifier.

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20. The call interface of claim 1 wherein the signaling processor is configured to process the signaling to select a VPI/VCI and the interworking unit is configured to convert the communications for the call a DS0 and the selected VPI/VCI.

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21. The call interface of claim 1 wherein the signaling processor is configured to process an initial address message.

22. A method of operating a call interface, the method comprising:

converting signaling for the call between a first signaling format and a second signaling format;

converting communications for the call between a first communication format and a second communication format;

processing the signaling to select a service for the call; and

providing the selected service for the call.

23. The method of claim 22 wherein the first communication format and the first signaling format comprise ISDN.

24. The method of claim 22 wherein the first communication format and the first signaling format comprise GR-303.

25. The method of claim 22 wherein the first communication format comprises time division multiplexing.

26. The method of claim 22 wherein the first signaling format comprises B-ISDN.

27. The method of claim 22 wherein the first communication format comprises an electrical format and the second communication format comprises an optical format.

28. The method of claim 22 wherein the second signaling format comprises SS7.

29. The method of claim 22 wherein the second communication format comprises ATM.

30. The method of claim 22 wherein the selected service comprises an internet service.

31. The method of claim 22 wherein the selected service comprises collecting information form a caller.

32. The method of claim 22 wherein the selected service comprises voice messaging.

33. The method of claim 22 wherein the selected service comprises facsimile messaging.

34. The method of claim 22 wherein the selected service comprises voice recognition.

35. The method of claim 22 wherein the selected service comprises conference bridging.

36. The method of claim 22 wherein the selected service comprises calling card calling.

37. The method of claim 22 wherein the selected service comprises menu routing.

38. The method of claim 22 wherein the selected service comprises tone detection.

39. The method of claim 22 wherein the selected service comprises call forwarding.

40. The method of claim 22 wherein processing the signaling further comprises selecting an identifier for asynchronous communications and converting the communications for the call further comprises using the selected identifier.

41. The method of claim 22 wherein processing the signaling further comprises selecting a VPI/VCI and converting the communications for the call further comprises converting between a DS0 and the selected VPI/VCI.

5   42. The method of claim 22 wherein processing the signaling further comprises processing an initial address message.